

# EIIP Home Page To Receive Face Lift

With increased interest in EIIP products, a high level of general committee activity, and the large quantity of guidance material now available, finding a process to make information readily accessible has become a high priority. The initial idea for the EIIP Home Page (www.epa.gov/oar/oaqps/eiip) was that it serve as the main location for those needing information about EIIP and be the central distribution point for EIIP documents. Administrative information and draft EIIP documents were placed on the TTN CHIEF bulletin board. However, not having all EIIP information available at a single location diminishes the utility of the Home Page.

To facilitate and improve communication, the EIIP Home Page will be redesigned to enable quick access to both final documents and documents available for external review. Documents under development, but not yet ready for external review, will be listed. Administrative information such as meeting minutes also will be available from the Home Page. Other suggestions for improvement are welcome.

#### EIIP Documents To Be Printed

The entire EIIP seven-volume set of documents has been sent for printing. Totaling over 2400 pages, the set will be available in shrink-wrapped, three-hole punch format by the end of the fiscal year. State agencies, local agencies, and EPA Regional Offices will automatically receive copies. Agencies not receiving the documents should contact their EPA Regional Office to obtain a set.

Because of the expense associated with printing such a large amount of material, it is not anticipated that the effort will be repeated in the near future. The preferred route for obtaining documents is via the Internet. Those interested in any of the EIIP documents, including corrections to existing documents and availability of new documents, should obtain them from the EIIP Home Page (www.epa.gov/oar/oaqps/eiip).

Those wishing to be notified of the availability of new documents or corrections to existing documents should register on the List Server. You will be notified via e-mail when new material is posted.

#### EIIP Documents on CD-ROM

The EIIP guidance documents have been added to the next version (version 5.0) of Air CHIEF. The EIIP guidance documents, which complement the information found in AP-42, have been added to the many useful files normally found on the Air CHIEF CD-ROM. To enhance the usability of these documents, the Air CHIEF CD contains links between related AP-42 and EIIP sections, which makes cross-referencing between these documents much easier.

The Air CHIEF CD-ROM, version 5.0, is expected to be available for distribution in October. It will be available for purchase from the Government Printing Office for \$15-\$20. If you have questions about Air CHIEF, call the Info CHIEF help desk at (919) 541-5285.

# New Needs Identified for Toxic Emission Estimation Guidance Documents

At the recently completed STAPPA/ALAPCO/EPA-sponsored Air Toxics Implementation Workshop, the importance of emission inventories was evident. Many Title III Clean Air Act Amendment subparts require access to emissions data. The need ranges from support of residual risk determinations to helping establish Maximum Achievable Control Technologies (MACT) approaches.

As discussed in the last *EIIP Update*, the Point and Area Sources Committees are examining existing chapters for potential updating to include estimating approaches for toxic compounds. The inventory community is encouraged to contact EIIP with suggestions for new source categories for which guidance is needed, specifically for toxic emissions.

# Last EIIP Update of the Fiscal Year

This issue of the *EIIP Update* will be the last published for FY97. Based on past years' uncertainties due to delays in receiving new funding, it is unclear when the next issue will be available. Adding to the usual beginning-of-year confusion the awarding of new support contracts for EIIP increases the likelihood that any type of communication from the Program during the first quarter of next year will be "irregular" at best.

EIIP committees will carry on during this transition period. Comments on documents that are under review will continue to be received and processed. The EIIP Home Page support will continue and all draft and final documents will be available for downloading.

# New Chapters Available

The documents listed below have been finalized since the last issue of *EIIP Update*. They are available on the EIIP Home Page (www.epa.gov/oar/oaqps/eiip) under the Area Sources Committee heading and on the CHIEF bulletin board (TELNET ttnbbs.rtpnc.epa.gov).

#### **Area Sources Committee**

- ♦ Chapter 6, Solvent Cleaning (completed)
- ♦ Chapter 8, Industrial Surface Coating (completed)
- ♦ Chapter 11, Gasoline Marketing (completed)

#### EIIP Needs Feedback

During the last several years EIIP has produced over 2,400 pages of guidance material. Since the goal of EIIP is to improve all aspects of the emission inventory process (and not to produce pages of written material), it is important that the Program receive feedback on how well the guidance documents are meeting the inventory community's needs. The 1996 Periodic Emission Inventory effort is the first wide-scale opportunity to use the guidance documents.

As state and local programs begin using the EIIP documents, it is extremely important that inventory preparers inform the Program of errors found, descriptions that were not clear, procedures that did not work, suggestions for new estimating methods, and how to improve existing guidance. Comments and suggestions can be sent via the EIIP Home Page (www.epa.gov/oar/oaqps/eiip).

# EIIP Undertakes Revamping of SCCs

A subcommittee of the EIIP's Data Management Committee has been formed to evaluate a potential major revamping of the Source Classification Codes (SCCs) used in air emissions inventories. SCCs are used to prepare and summarize annual emissions data, and they also provide the necessary links to the chemical speciation and temporal allocation tables that allow modeling inventories to be prepared. For point sources, SCCs are currently made up of eight digits divided into four groupings (x-xx-xxx-xx). At the full 8-digit level, an SCC identifies an individual type of emission process, specific enough to usually have a unique emission factor for one or several pollutants. The 6- and 3-digit levels identify successively larger groups of related source types, and are useful for the presentation of aggregated emission summaries. A somewhat analogous set of 10-digit codes exists for area sources.

Due to the expansion of emission inventories to cover a wider scope of both pollutants and source types, and to the demand to codify an increasing variety of information about a source within the SCC, both the point and area source classification systems have lost much of their original organization and have not always provided a good answer for the new demands. The Emission Inventory Coding System (EICS) subcommittee will identify the types of information that are necessary to an emission inventory and that should be standardized or grouped by a code. The subcommittee will also identify the level in an emission inventory system where each type of coded information should reside. Thus, the detailed information embedded in some of the current codes that provide information about the entire facility of emitting equipment rather than process-level information could become a separate code specified at a different level in the emissions inventory. The EICS subcommittee is not restricted to addressing just the process-level (SCC) data coding needs, and is therefore identifying data coding needs at the facility, device, and emissions levels as well.

The subcommittee meets by telephone conference calls approximately once a month. Dennis Goodenow of the California Air Resources Board (CARB) and Ron Ryan of U.S. EPA co-chair the subcommittee, which consists of almost 30 members representing state and local agencies, industry, EPA, Environment Canada, consortiums, and consultants familiar with current inventory data systems. For more information check the web site at www.epa.gov/oar/oaqps/eiip/eicchaps.html.

# Committee Spotlight: Point Sources

One question that arises with some regularity concerns the relationship of the guidance documents produced by the Point Sources Committee to the document commonly known as "AP-42." Some of the confusion may be traced to AP-42 having served for many years as the lone resource for developing stationary point and area source emission estimates.

The guidance documents produced by the Point Sources Committee are intended to complement AP-42, not replace it. In fact, only for the purpose of example calculations are emission factors included in EIIP point source documents; the reader is referred to AP-42 and other references for this information. AP-42 emission factors should are only one of many methods for estimating emissions that are discussed in EIIP point source documents. Others methods are identified when available, and the reader is then able to select a method that satisfies the needs for emission data quality. By necessity, overviews of process and control equipment discussions in AP-42 are also included in point source documents to give the reader sufficient information to identify emission points, evaluate control scenarios, and generate emission estimates. Recognizing that activity information is an important component of generating emission estimates using emission factors and that AP-42 may not address this area in detail, some additional information is provided on ways to generate these data and thus improve emission estimates.

In addition to available source test and continuous emission monitor (CEM) methods, material balance models and predictive emissions monitoring methods are discussed where appropriate. Approaches to estimating air emissions developed by other programs (e.g., estimating air emissions from hazardous waste spills) are also referenced where applicable. Data developed to satisfy Occupational Safety and Health Administration (OSHA) requirements concerning worker exposures might be used in conjunction with information on building ventilation rates to estimate emissions. All these methods are evaluated and a hierarchy established according to the accuracy associated with each. Other factors may be considered related to costs and technical feasibility of each approach in establishing this hierarchy. In the end, it is up to the user to select the appropriate methods for estimating emissions using the documents as guidelines.

#### **Overview of the Structure in Volume II Point Source Chapters**

By design, the point source chapters look much like the area source chapters discussed in the last *EIIP Update*. Each chapter is divided into eight sections:

- Section 1 outlines the contents of the chapter and defines the point source category.
- Section 2 provides process, control, and general source category descriptions.
- Section 3 presents an overview of available emission estimation methods.
- Section 4 provides details on preferred methods for estimating emissions.
- Section 5 discusses alternative methods for estimating emissions.
- ♦ Section 6 discusses the quality assurance considerations and uncertainty associated with using each method.
- Section 7 presents data coding procedures.
- Section 8 provides references for the entire chapter.

#### **EIIP Volume II - Chapter Status**

The following Volume II point source documents addressing preferred and alternative methods for estimating emissions from the source categories listed below are final and available for use:

- ♦ Chapter 1, Introduction to Point Source Emission Inventory Development
- ♦ Chapter 2, Boilers
- ♦ Chapter 3, Hot-Mix Asphalt Plants
- ♦ Chapter 4, Fugitive Emissions from Equipment Leaks
- ♦ Chapter 5, Wastewater Collection and Treatment Facilities

The following Volume II point source documents have been prepared and are undergoing external technical review:

- ♦ Chapter 6, Semiconductor Manufacturing
- ♦ Chapter 7, Surface Coating Operations
- ♦ Chapter 8, Paint and Ink Manufacturing
- ♦ Chapter 9, Metals Production

The following Volume II point source documents are undergoing internal Point Sources Committee review:

♦ Chapter 10, Oil and Gas Field Production and Processing

♦ Chapter 11, Plastic Products Manufacturing

#### **Point Sources Committee Team Members**

The membership of the Point Sources Committee has been surprisingly steady over its existence. We thank everyone who has helped with this effort to date and look forward to the continued support of our members.

The current committee members are:

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# Future Plans and Input from You

In addition to finalizing the point source chapters that are in process, the committee will be evaluating two areas of concern:

- 1. With the PM-2.5 ambient air quality standard now proposed, the Point Sources Committee will be evaluating the need for refined emission estimation tools to support PM-2.5 air quality management programs. Given the area source nature of many PM-2.5 sources and the role of secondary particulate formation, it is not clear at this time what specific actions the Point Sources Committee might undertake to add value to the process.
- 2. Now that there is emission inventory guidance documents for several point source categories, we need your input as to the usefulness of these documents. Do you have problems with the guidance? Have you found new sources of data that would improve the methodologies presented? Only your help will enable us to revise these guidance documents when necessary.

The EIIP Point Sources Committee encourages you to contact us with your ideas. This program can only be successful with your participation.

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